



## MILATARI NEWSLETTER

Volume 3 Number 10

September 1984

Price \$1.00

### ATARI USE GROUPS INTERNATIONAL is formed at TARICON '84

#### TARICON '84 REPORT by Gary Nolan

Yes, the all ATARI show/convention got off the ground this year in Southfield, MI.. Southfield is north of Detroit and Jim Luty and myself drove over on Friday the 24th, with the show running the 25th & 26th. It took us about eight hours to get there, which was a short haul compared to how long it took others, 13 hrs for the New Jersey people and one guy from Oklahoma drove 20 hrs by himself. That's dedication folks!

VERY conspicuous by its absence at this initial all Atari show was none other than the "New" Atari Corp. Although having been promised by a now "former" employee and approved by "Mr. T" himself that they would send a display, Atari was a no-show. The show committee found out on the day before the show opened that they were not coming. After several phone calls on Fri. and offering to pay expenses for someone to attend, Atari told them that they would send some "VP" type out. But come Sat. morning the only thing that arrived was a letter saying how impossible it was to arrange for a flight into Detroit and back, and anyway this person had an important department meeting that Sunday. Looks like the "NEW" Atari Corp. isn't much better than the old one when it comes to "support" of this type. There was some pass-the-buck type of explanation about how this marketing guy, who talked to the show committee first, hadn't told anyone else about it. If this is an example of the internal communications in Sunnyvale, then Fast Jack is in trouble. There is one other explanation for this whole mess and it has something to do with walking down a garden path. Atari's letter of explanation was inadequate, their offer (after some prompting) to consider sending \$500 to help cover expenses was (in my view) too little, too late. Five hundred dollars might cover the time involved and the phone bill incurred in trying to get Atari there. To put it nicely, ATARI REALLY SCREWED UP THIS TIME. Baaad move, Jack.

(continues on page 11)

#### September MILATARI activities

- 12th - 7:30PM CUF board meeting - Joint news letter - All Star Lanes
- 13th - 7:30PM MILATARI board meeting - Chris Steiber's home
- 15th - 2:00PM MILATARI MEETING - Armbruster School - Greendale
- 25th - 8:00PM ATR8000:CP/M SIG meeting - Don Wilcox's home
- 27th - 7:30PM MILATARI MEETING - Waukesha State Bank Community Room

## PRESIDENT'S RAM

by Gary Nolan

I'M BACK!!! D'JA MISS ME???

Well we survived the trip to Detroit and back (Southfield really) without too much wear and tear. For a report on Taricon and who was and wasn't there read the show report. But whatever you do, don't ask Jim what happened. OK? It's allright to ask him who wasn't there, though.

CHOP-CHOP-CHOP, WHERE'D ALL THESE LUMBERJACKS COME FROM?

Seems like everyone is in a hurry to cut prices lately.

Percom sends word that they are offering AT88S1, SSDD disk drive for \$200. Also on special sale is the AT88S1PD which is a SSDD drive w/printer port for \$300. Both come with DOS XL and the PD drive comes with a parallel printer cable.

Centurian Enterprises

P.O. Box 3233

San Luis Obispo, CA 93403

(805) 544-6616

You might want to write or call the company listed above. Why? Well they carry all kinds of parts for the 400/800 computers and 810 drives, and if you're interested you'll want to be on their mailing list. How about a new 800 motherboard with all the IC's for \$50. Or how about GTIA, CPU board for \$18? They are also offering the complete service manual for the 400/800 computers or 810 drive for \$25 a copy.

Word comes that the price cuts in the Atari line has started too. Toys 'R' Us is selling the 800XL for \$179, and K-Mart is reducing prices on everything from disk drives to modems to printers. The Christmas season must be getting close.

How many people got a \$17 Visicalc or Atari Bookkeeper programs at the J C Penneys outlet sale? That's the first time I've gotten in on one of those. I missed the \$50-800 & \$99-810 sale at Target last fall. Penneys still has a lot of games left. But to be on the safe side give them a call before you drive all the way out there.

#### IT DON'T PAY TO MESS WITH MOTHER NATURE

Several months back dear old mom helped to shut down the Milatari BBS with a lightning strike that took out three drives. Well the old broad did it again, and this time she wiped out two modems and an 850. Now I know this will cause some of you to start howling in the night about how lousy the board is being run. The last time this happened we had the same reaction from a vocal few. Even a vocal non-member threatened to come to the meeting to demand that Pete be removed as BBS sysop. I put an offer on the board to allow anyone who had the time and ambition a one month try at being Milatari's Sysop. One person offered to take on the job. Unfortunately we can not oblige him at this time. But on the off chance that one of the blow-hards out there would like to put-up instead of shutting up (I doubt they'll do either), here are a few guide lines for your consideration.

(continued on page 3)

## THE SINGLE BOARD COMPUTER

## PRESIDENT'S RAM (continued)

#1...Have two phone lines, one for the BBS and one for your personal use. (some users get mad when they find out that you've been using your only phone line for non BBS business)

#2...Have two modems, one for the BBS and one for yourself (See #1)

#3...Have three disk drives, double density is almost becoming a necessity these days and double sided would REALLY help. (The BBS needs two, and you'll need one to do anything for yourself. Besides the users tend to get kind of testy if they don't see a lot of files up there for downloading.)

#4...Have an extra 850 (See #1,3)

#5...Have an extra printer if you'll be wanting to do PERSONAL things. The BBS requires a printer on line at all times.

#6...Be prepared to spend a lot of time keying in and debugging all the latest programs from ALL the mags. You can't wait for the librarian to give you them the users will want them NOW! (Pete didn't do this, so you might be able to get away with it too. See #7 anyway)

#7...Have some real thick skin because no matter how well you do it, IT AIN'T GONNA BE GOOD ENOUGH!!! (At least for those who like to complain, not only on your system but every other one in town)

#8...Have a good sized bank account or a friend who's an equipment dealer. (Your users won't care that your equipment is running twenty-four hours a day, seven days a week for them. When it breaks or when Mrs. Nature dumps on you, you'd better fix it fast. After all fellas, YOU are in the BBS business.)

These are but a few of the things you'll have to come to grips with when sysoping a BBS.

If this kind of life appeals to you, you may need professional help but we'll still consider you for our SYSOP FOR A MONTH contest. To apply call me or see me at the meeting (a signed note from your therapist would be nice), and we'll talk about it.

## WHAT DID I WIN? HUH?

If you left the picnic early and your name was drawn as a prize winner, your prize is being held for you. Be at the Sept. meeting to check if you won and claim your prize. I'd like to thank those of you who showed up for the first annual Milatari picnic. Even though the skies didn't look too promising early in the day, it turned out to be a nice sunny day. Those that showed up had a good time. We all found out that Dave is not Mister Volleyball. All told over a hundred people showed up. This years event was put together on short notice, next years will have the benefit of time. If You'd like to help, let us know now.

## HOW CAN I WIN?

Elsewhere in this newsletter are details for the Christmas Contest, look for them and get to work. Now! Go!

## STEP RIGHT UP...PLUNK DOWN YOUR MONEY...AND....

At the next meeting we'll be taking orders for the special shirts mentioned in the Taricon report, and we'll have some PACMAN and club shirts and hats for sale. Get 'em while they're hot!

## AW, WHO READS CALENDARS ANYWAY?

Any month that starts on a Wednesday screws up my whole week. That's what happened in August and somehow the CP/M meeting was held on the third not the fourth Tuesday. So lets set the record straight for September.

Board of Directors meeting .... Thur. Sept. 13th

Ambruster meeting .... Sat., Sept. 15th

CP/M SIG .... Tue., Sept. 25th

Milatari West .... Thur., Sept. 27th

Did I mention that Atari wasn't at Taricon? Just checking!  
See you on the 15th.....

## WADING THROUGH THE JUNGLE

Thomas M. Krischan

Technometrics Computer Consulting

878 W22750 Terrace Drive

Big Bend, WI - 53103

**Carefully we travel through the entangled mass. Always going forwards, but always wary of hidden traps. Bugs are so thick you fear to breath. After what appears to be hours in this hot, sticky environment we see daylight ahead. Is it Doctor Livingston? No, its the address of my subroutine! Wow, I thought I'd never find it. All these "GOTOS" really make your BASIC code hard to read.**

Did you ever wad through that jungle? There is of course a better way. Structured programming. Here are some simple rules to better programming in BASIC:

**RULE 1: Write down on paper what you intend your program to do. Draw pictures on graph paper. List all the options that you want your program to have.**

**RULE 2: Refine that idea. Break each major idea into smaller steps. Copy specific formulas out of text books. Don't think about it later, think about it now.**

**RULE 3: Start coding. Choose variable names that mean something to you. Use GROSS, NET, and PAY rather than A0, A1, and A2.**

**RULE 4: Top down programming. Never allow a GOTO statement to point "up". Always address statements below the statement number of the GOTO.**

**RULE 5: Use subroutines. Each small step should be at least one subroutine big. If it takes more than one page to list it out its too big! Break that idea into small pieces. Try to replace GOTOS with GOSUBs.**

**RULE 6: Write documentation as you go. Put lots of comments in your program. At least 10% of the program listing should be REMARK statements. Documentation can also be in the form of self defining code. The the BASIC language features english like statements. For example:**

**POKE CURSOR,OUT**

**SETCOLOR BACKGRND, GREEN, DARK**

**WRONG=TOTAL-RIGHT**

**GOSUB NOISE**

**GOTO ERROR**

## WADING THROUGH THE JUNGLE (continued)

My sample program gives you an idea of this alternate approach. Figures 1-4, keeps track of what's going on. The program is an educational tutorial about, of all places, the Florida Everglades. Don't get lost in the jungle.

## Figure 1. String Variables.

ASK1\$ - Questions.  
 ASK2\$  
 TELL1\$ - Supplemental information.  
 TELL2\$  
 TELL3\$  
 GUESS1\$ - Possible answer.  
 GUESS2\$  
 GUESS3\$

REPRODUCED  
 KEYBOARD  
 PRO  
 OUT  
 PAUSE  
 MODE  
 SWS  
 SWIMMING  
 MINT  
 DULL  
 ERROR  
 COLOR  
 INTRO

## Figure 2. Numeric Variables.

RIGHT - The number of questions that were answered correctly.  
 WRONG - The number of questions that were answered incorrectly.  
 TOTAL - The total number of questions asked.  
 PITCH - The pitch value for a sound.  
 TIME - The time delay of a programming loop.

## Figure 3. Numeric Constants.

LIGHT - Color luminance.

MEDIUM

DARK

GREEN - Color hue.

RED

YELLOW

BLACK

BLUE

WINDOW - Color register.

TEXT

TEXTCAPS

BACKGRND

BACKTEXT

VOICES - Sound generation.

PURE

NORMAL

SMALL - Graphics mode.

AVERAGE

LARGE

## WADING THROUGH THE JUNGLE (continued)

**CURSOR** - Hardware memory location.  
**ATTRACT**  
**UNTOUCH**  
**RESPONSE**  
**KEYBOARD**  
**OFF** - Reset memory locations.  
**OUT**  
**PAUSE** - Subroutine location.  
**NOISE**  
**BUZZ**  
**TWINKLE**  
**WAIT**  
**QUIZ**  
**ERROR**  
**SCORE**  
**INTRO**

Figure 4. Major Program Subdivisions.

1 - 7 General information.  
 11 - 99 Main program; calls all supplemental subroutines.  
 100 - 199 Quiz subroutine; generates questions, possible answers and supplemental information.  
 200 - 299 Score subroutine; displays number of correct and incorrect responses, and remarks about the score.  
 300 - 360 Data for closing remarks.  
 1000-2490 Data for questions, possible answers, and supplemental information.  
 5000 Noise subroutine; used for correct responses (up tone).  
 5050 Buzz subroutine; used for incorrect responses (down tone).  
 5100 Pause subroutine; pauses display for a few seconds before continuing on.  
 5150-5170 Wait subroutine; waits display for a keystroke.  
 5200-5299 Twinkle subroutine; flashes text for additional attraction.  
 5300 Error subroutine; when a wrong key is pressed.  
 6000-6099 Intro subroutine; draws first display screen.

## WADING THROUGH THE JUNGLE (continued)

## PROGRAM LISTING: "JUNGLE"

```

1 REM .      DATE: JUNE 1984
2 REM .      AUTHOR: THOMAS M. KRISCHAN
3 REM .      TECHNIMETRICS CONS.
4 REM .      578 W22750 TERRACE DR
5 REM .      IVE
6 REM .      BIG BEND, WI - 53183
7 REM .      PHONE:(414)-662-3319
8 REM .
9 REM .
10 REM .
11 REM .
12 REM .
13 REM . *** MAIN PROGRAM ***
14 DIM GUESS1$(40),GUESS2$(40),GUESS3$(40),ASK1$(40),ASK2$(40),TELL1$(40),TELL2$(40),TELL3$(128)
15 RIGHT=0:WRONG=0:TOTAL=0
16 LIGHT=10:MEDIUM=6:DARK=0:GREEN=12:RED=4:YELLOW=1:BLACK=0:BLUE=7
17 PAUSE=5100:NOISE=5000:BUZZ=5050:TWINKLE=5200:WAIT=5150:QUIZ=100:ERROR=510
18 SCORE=200:INTRO=6000:START=23
19 CURSOR=752:OUT=1:ATTRACT=77:UMTOUCH=255:RESPONCE=764:OFF=0:KEYBOARD=53775
20 WINDOW=2:TEXT=1:TEXTCAPS=0:BACKGRND=4:BACKTEXT=2:SMALL=0:AVERAGE=1:LARGE=2
21 VOICE=0:PURE=10:NORMAL=8
22 TRAP 80:GOSUB INTRO
23 FOR QUESTION=1000 TO 2400 STEP 100:
24 TOTAL=INT(QUESTION/100-9):GOSUB QUIZ:PAUSE ATTRACT,OFF
25 NEXT QUESTION
26 GOSUB SCORE
27 GOTO START
28 TOTAL=TOTAL-1:GOSUB SCORE
29 GOTO START
30 REM . *** QUIZ ***
31 GRAPHICS SMALL:POKE CURSOR,OUT:SET COLOR BACKTEXT,BLACK,DARK:SETCOLOR TEXT,BLACK,LIGHT
32 RESTORE QUESTION:READ ASK1$,ASK2$
33 POSITION 0,0:? #6;"QUESTION NUMBER ";TOTAL;" NUMBER CORRECT ";RIGHT
34 POSITION 0,1:? #6:ASK1$
35 POSITION 0,2:? #6:ASK2$
36 RESTORE QUESTION:READ GUESS1$,GUESS2$,GUESS3$,CORRECT,TELL1$,TELL2$,TELL3$

```

```

130 POSITION 0,3:? #6;GUESS1$
140 POSITION 0,7:? #6;GUESS2$
150 POSITION 0,9:? #6;GUESS3$
155 POSITION 0,16:? #6;"      PRESS ANY KEY TO QUIT"
160 KEY=PEEK(KEYBOARD):IF KEY=UMTOUCH THEN 168
161 IF PEEK(RESPONCE)=31 THEN ANSWER=1:GOTO 178
162 IF PEEK(RESPONCE)=38 THEN ANSWER=2:GOTO 178
163 IF PEEK(RESPONCE)=26 THEN ANSWER=3:GOTO 178
166 IF PEEK(RESPONCE)=39 THEN QUESTION=QUESTION-100:TOTAL=TOTAL-1:GOTO SCORE
169 GOTO ERROR
170 POSITION 15,12:IF ANSWER=CORRECT THEN ? #6;"YES":GOSUB NOISE:RIGHT=RIGHT+1:GOTO 188
173 ? "#":GOSUB BUZZ
180 POSITION 0,15:? #6:TELL1$
181 POSITION 0,16:? #6:TELL2$
182 POSITION 0,17:? #6:TELL3$
191 ? ?: ?: ?: ? "      PRESS ANY KEY TO CONTINUE"
199 GOSUB WAIT:RETURN
200 REM . *** SCORE ***
210 GRAPHICS AVERAGE:POKE CURSOR,OUT:SET COLOR BACKGRND,GREEN,BLACK:SETCOLOR TEXT,BLACK,GREEN,DARK
211 SETCOLOR TEXT,YELLOW,MEDIUM
215 WRONG=TOTAL-RIGHT
220 POSITION 0,0:? #6;"YOU ANSWERED "
230 POSITION 0,1:? #6;TOTAL;" QUESTION "
240 POSITION 0,3:? #6;RIGHT;" CORRECTLY"
250 POSITION 0,4:? #6;WRONG;" INCORRECTLY"
260 POSITION 0,6:? #6;INT((RIGHT/TOTAL)*100);" PERCENT!!!!"
265 REM . SELECT APPROPRIATE RESPONSE
270 RESTORE INT((RIGHT/TOTAL)*6)*10+500:READ GUESS1$
275 REM . PUT RESPONCE INTO A STRING
280 POSITION 0,9:? #6;GUESS1$
290 ? "      PRESS ANY KEY TO CONTINUE"

```

## WADING THROUGH THE JUNGLE (continued)

## "JUNGLE" LIVING MARBORA

299 GOSUB WAIT:RETURN  
 300 DATA BETTER LUCK NEXT TIME  
 310 DATA NOT TOO GOOD, BUT YOU'RE LEARNING!"  
 320 DATA NICE TRY!  
 330 DATA GOOD JOB!  
 340 DATA VERY GOOD!!  
 350 DATA EXCELLENT!! THAT'S ALMOST A PERFECT SCORE.  
 360 DATA TREMENDOUS!! THAT'S A PERFECT SCORE!!  
 1000 REM .\*\* QUESTION NO.1 \*\*  
 1010 DATA How large is Everglades National Park?  
 1020 DATA  
 1030 DATA 1. LARGEST  
 1040 DATA 2. 3RD LARGEST  
 1050 DATA 3. 5TH LARGEST  
 1060 DATA 2  
 1070 DATA 3RD LARGEST: only Yellowstone and  
 1080 DATA Mount McKinley contain more acreage.  
 1090 DATA  
 1100 REM .\*\* QUESTION NO.2 \*\*  
 1110 DATA Where does the water for the park originate from?  
 1130 DATA 1. LAKE OKEECHOBEE  
 1140 DATA 2. ATLANTIC OCEAN  
 1150 DATA 3. FLORIDA BAY  
 1160 DATA 1  
 1170 DATA LAKE OKEECHOBEE: originally a river  
 1180 DATA flowed unobstructed -100 miles to  
 1190 DATA Florida Bay. The flow is now largely controlled by gates and canals.  
 1200 REM .\*\* QUESTION NO.3 \*\*  
 1210 DATA What is the park's most abundant type  
 1220 DATA of plant community?  
 1230 DATA 1. MANGROVE SWAMP  
 1240 DATA 2. MAHOGANY JUNGLE  
 1250 DATA 3. SAWGRASS PRAIRIE  
 1260 DATA 3

1270 DATA SAWGRASS PRAIRIE: The word 'everglade'  
 1280 DATA means endless sea of grass. Great  
 1290 DATA expanses of this prairie are visible throughout the park.  
 1300 REM .\*\* QUESTION NO.4 \*\*  
 1310 DATA Why makes the northeast corner of the  
 1320 DATA park suitable for a pine forest?  
 1330 DATA 1. HIGHER ELEVATION  
 1340 DATA 2. LOWER SALT LEVEL  
 1350 DATA 3. SUBJECT TO FREEZING  
 1360 DATA 1  
 1370 DATA HIGHER ELEVATION: About 6 feet above sea level enable the pines to estab-  
 1380 DATA -lish on bedrock away from pooling water for most of the year.  
 1400 REM .\*\* QUESTION NO.5 \*\*  
 1410 DATA What is the name of the typical tree  
 1420 DATA that grows in this pineland forest?  
 1430 DATA 1. JACK PINE  
 1440 DATA 2. ALLIGATOR PINE  
 1450 DATA 3. SLASH PINE  
 1460 DATA 3  
 1470 DATA SLASH PINE: grows alongside coontie  
 1480 DATA (a cycad) saw-palmetto and a vine  
 1490 DATA (a morningglory).  
 1500 REM .\*\* QUESTION NO.6 \*\*  
 1510 DATA Why don't hardwood replace(s) succession?  
 1520 DATA all of the pinelands?  
 1530 DATA 1. FLOODS  
 1540 DATA 2. FIRE  
 1550 DATA 3. HURRICANES  
 1560 DATA 2  
 1570 DATA FIRE: Pines are resistant to fire.  
 1580 DATA Fire destroys competing vegetation and

## WADING THROUGH THE JUNGLE (continued)

1590 DATA exposes the mineral soil necessary for pine seedlings.

1600 REM .\*\* QUESTION NO.7 \*\*

1610 DATA Areas bypassed by these fire s develop

1620 DATA into jungle-like 'islands' c alled?

1630 DATA 1. HAMMOCKS

1640 DATA 2. DOMES

1650 DATA 3. HEADS

1660 DATA 1

1670 DATA HAMMOCKS: support such plant s as live

1680 DATA oaks-royal palms-gumbo limbo -mahogany-

1690 DATA figs-orchids-and bromeliads.

1700 REM .\*\* QUESTION NO.8 \*\*

1710 DATA Which 'hammock' plant entwin es about a

1720 DATA host tree and strangles it?

1730 DATA 1. MOON VINES

1740 DATA 2. ORCHIDS

1750 DATA 3. FIGS

1760 DATA 3

1770 DATA FIGS: at first grow as epiph ytes

1780 DATA attached to the rough bark o f a tree.

1790 DATA Soon roots extend toward the ground -girdling the tree with th eir grip.

1800 REM .\*\* QUESTION NO.9 \*\*

1810 DATA What kind of trees form a ta ll

1820 DATA domelike 'island' in the sea of the sawgrass glades?

1830 DATA 1. MANGROVES

1840 DATA 2. BALDCYPRESS

1850 DATA 3. ROYAL PALMS

1860 DATA 2

1870 DATA BALDCYPRESS: unlike hammocks and pine-

1880 DATA -lands (which occupy elevatio ns)cypress

1890 DATA domes (or heads) occupy depre ssions in the limestone bedrock.

1900 REM .\*\* QUESTION NO.10 \*\*

1910 DATA Cypress domes serve to attra ct what

1920 DATA large reptile?

1930 DATA 1. CROCODILES

1940 DATA 2. ALLIGATORS

1950 DATA 3. SEA TURTLES

1960 DATA 2

1970 DATA ALLIGATORS: are able to surv iive in

1980 DATA these holes during dry perio ds. Many

1990 DATA birds -herons-egrets-wood st orks-white ibis- feed on the aquatic life.

2000 REM .\*\* QUESTION NO.11 \*\*

2010 DATA What tree is able to exist n ear or in

2020 DATA salt water?

2030 DATA 1. MANGROVE

2040 DATA 2. BALDCYPRESS

2050 DATA 3. SLASH PINE

2060 DATA 1

2070 DATA MANGROVE: is a loose term in cluding

2080 DATA three kinds of botanically u nrelated

2090 DATA trees that are salt tolerant and form an impenetrable watery wil derness.

2100 REM .\*\* QUESTION NO.12 \*\*

2110 DATA Which of these three mangrov es is the

2120 DATA most water loving?

2130 DATA 1. WHITE MANGROVE

2140 DATA 2. BLACK MANGROVE

2150 DATA 3. RED MANGROVE

2160 DATA 3

2170 DATA RED MANGROVE: grows well out into the

2180 DATA mudflats and is recognized b y its

2190 DATA arching stiltlike roots.

2200 REM .\*\* QUESTION NO.13 \*\*

2210 DATA Which tree is characterized by having

2220 DATA root projections that stick up out of the water?

## WADING THROUGH THE JUNGLE (continued)

```

2230 DATA 1. WHITE MANGROVE
2240 DATA 2. BLACK MANGROVE
2250 DATA 3. BUTTONMANGROVE
2260 DATA 2
2270 DATA BLACK MANGROVE: typically grows at
2280 DATA levels covered by high tide but
2290 DATA exposed at low tide. The projections are called pneumatophores.
2300 REM .** QUESTION NO.14 **
2310 DATA What function does the mangrove
2320 DATA wilderness best serve?
2330 DATA 1. NESTS FOR ALLIGATORS
2340 DATA 2. BIRD ROOKERY
2350 DATA 3. DENS FOR SKUNKS
2360 DATA 2
2370 DATA BIRD ROOKERY: for herons-ibi
5-wood
2380 DATA storks-and others. They roost by the
2390 DATA thousands in this remote and
little disturbed area of the park
2400 REM .** QUESTION NO.15 **
2410 DATA Which endangered mammal finds its last
2420 DATA refuge in Florida Bay and the keys?
2430 DATA 1. RIVER OTTER
2440 DATA 2. FLORIDA COUGAR
2450 DATA 3. MANATEE
2460 DATA 3
2470 DATA MANATEE: (sea cow) is a harmless sea
2480 DATA grazer which weighs nearly a
ton and
2490 DATA requires the warm waters off
the parks boundaries to survive.
3000 FOR PITCH=200 TO 255 STEP -3:SOUND
VOICE0,PITCH,PURE,NORMAL:NEXT PITCH:50
UND VOICE0,OFF,OFF,OFF:RETURN
3050 FOR PITCH=50 TO 255 STEP 3:SOUND
VOICE0,PITCH,PURE,NORMAL:NEXT PITCH:50
UND VOICE0,OFF,OFF,OFF:RETURN
3100 FOR TIME=0 TO 300:NEXT TIME:RETUR

```

```

5150 FOR TIME=0 TO 50:NEXT TIME
5160 KEY=PEEK(KEYBOARD):IF KEY=UMTOUCH
THEN 5160
5170 FOR TIME=1 TO 3:NEXT TIME:RETURN
5200 FOR FLASH=1 TO 100:SOUND VOICE0,4
0,PURE,NORMAL:HUE=RND(0)*16:LUMIN=HUE:
SETCOLOR TEXTCAPS,HUE,LUMIN
5299 SOUND VOICE0,15,PURE,NORMAL:NEXT
FLASH:SOUND VOICE0,OFF,OFF,OFF:RETURN
5300 ? "OOPS.....THAT'S THE WRONG KEY"
:GOSUB NOISE:GOTO QUIZ
6000 REM . ****INTRODUCTION****
6003 GRAPHICS AVERAGE:POKE CURSOR,OUT:
SETCOLOR BACKGROUND,YELLOW,DARK:SETCOLOR
MEDIUM,YELLOW,DARK
6004 SETCOLOR TEXT,YELLOW,MEDIUM:SETCO
LOR TEXTCAPS,WHITE,MEDIUM
6005 POSITION 0,1:? #6;"self teaching
series"
6010 POSITION 0,7:? #6;" EVERGLADES"
6020 POSITION 0,9:? #6;" NATIONAL P
ARK"
6030 POSITION 0,11:? #6;" QUIZ"
6060 ? :? :? "(C) 1983, Thomas H.
Krischan";
6070 GOSUB PAUSE:GOSUB PAUSE:? :? :?
" PRESS ANY KEY TO BEGIN."
6080 GOSUB TWINKLE
6099 GOSUB WAIT:RETURN

```



## TARICON 84 Report (continued from page 1)

## ON WITH THE SHOW!

Due to prior commitments we were unable to stay for both days. The first day started off fine and the stream of people was steady up till about 2:30/3 when it started to taper off, maybe because the word of the big "A's" pull-out got around. The show site was the Southfield Civic Center Pavilion, which measures about 120' X 150'. Twenty-one booths were set up, with maybe three not used, around the outside. One corner section was draped off for use as the seminar area. And one big section in the middle of the room was left open for you know who. (NO, not me. I was THERE) The seminar area held a little over 100 people and every time I checked it was at least half full. OSS and Bill Wilkerson put on seven seminars and our own Erik Hanson gave a talk on 3-D graphics that was very well received. Milatari had booth #14 and was selling club shirts and PACMAN shirts, along with some ATR8000's that Jim brought along. Everyone liked our club T-shirts and I even did a little trading. We worked out a deal with MACE to sell them the PACMAN shirts for an attractive price in exchange for selling us a shirt from their club. This shirt has the Commodore logo on it in the center of a red circle with a slash thru it, on the order of the international road signs. Be at the September meeting to see it and place your order, this is one you'll want to have. MACE & CHAOS were the only other user groups to have a booth although many groups were in attendance, as you'll read about later. As I said before OSS was there showing off its products and giving seminars. Also on hand was ROM magazine, the Canadian Atari specific publication. They mentioned that they were planning to go monthly soon. Alpha Products had the booth next to ours and did a good business selling a program called Magna-Print. This program allows you to dump almost anything on the screen to the printer and enlarge it to incredible proportions. They had a print hanging behind their booth that must have been 3' x 5'. What it does is to break the picture down into sections, prints out the sections and you can then join them together for one BIG picture. It works with almost all the available graphics programs and tablets. In the rush I forgot to pick up a copy to demo. If any member out there has it, give me a call and maybe we can work a demo at a future meeting. The price of the program was around \$30. Down the aisle were the people from Advance Interface Devices. They make a product called the R-Verter that lists for \$50 and allows you to hook up any RS232 device that accepts TTL-level inputs (which is most of them). It has an Atari serial plug on one end and a RS232 plug on the other and plugs into the serial port of the Atari, and eliminates the 850. It comes with terminal program and an RS232 handler.

While there I got the chance to meet quite a few people from other user groups. Some of them I've been wanting to meet for a while, having read their clubs newsletters over the past couple of years. Some of those people include Dick Kushner (JACG), Mel Borehan (Panama Canal Zone), Jack McKirgan (Atari Microcomputer Network) and Ike Hudson (CHAOS) and Mike Lechkun (MACE), the last two were the show co-ordinators. I also meet a lot of people from a lot of other groups and enjoyed meeting all of them. Almost everybody liked the club T-shirts, and quite a few people had nice things to say about this newsletter. I might have helped a little with the shirt, but the credit for the N/L goes to Dave and all of you who contribute to it. It's nice to know that people other than our members enjoy reading these issues. Now that we have a standard to live up to we'll need your contributions even more.

For you ham radio operators out there who don't know about it yet, the Atari Microcomputer Network, Amateur Radio Operators Users Group publishes a news-letter called Ad Astra and holds on-the-air conferences. If you're into ham radio and computers you'll probably want to join up. For more information contact them at:

4749 S.R. 207 N.E.  
Washington C.H., OH 43160  
614-869-3597

(continued on page 12)

## TARICON 84 Report (continued from page 12)

A special meeting was held on Saturday for the user group representatives who were attending the show. Altogether about 15 groups from the US, one from Canada and one from the Panama Canal Zone attended. At this meeting a new organization was formed using a name suggested by Dick Kushner of the New Jersey group. Its name is Atari User Groups International and it was formed to act as the voice of the Atari computer community, and to help the groups (and users) communicate with Atari Corp. and other manufacturers of Atari hardware and software products. And to help these manufacturers keep in touch with "real" world. You'll be kept informed of AUGI's progress and happenings as Milatari is a member, and hopefully will help do what's necessary to insure its success. This organization will be open to any Atari group that wants to join. All known groups will be contacted and asked if they wish to join. As with anything starting out, it might be a little slow at first (you have to learn to walk before you can run), but with the help of all the member groups AUGI will be up and walking around just fine thank-you, in short order.

There was some talk of TARICON '85 and where it would be held. A suggestion was made that Milatari think about hosting the next show. Before we can even think about '85, we'll have to review what went into '84's effort. MACE & CHAOS deserve a lot of credit for undertaking something like this. Having worked behind the scenes of two shows I can appreciate the effort they put into this. I didn't ask how much they had in their combined treasuries when it started, but they did say that the drain on their resources was substantial. As it looks now they will end up taking a loss on the show, how much won't be known until later. If there is to be a TARICON '85, it will have to be a joint effort. And it will have to be supported by Atari computer fans from all over the country, but most of all from the region in which it's held. Atari User Groups International would be the sponsor with local groups acting as hosts. It would be up to the host groups to boost attendance by getting the word to everyone interested in their area. If Milatari were to be one of the host groups and the show held in this area, groups from Wisconsin, Illinois, Indiana, Iowa, and Minnesota could join forces to put it on. The host group from the city where the show was held would be responsible for staffing most of the needed volunteer positions, with the closer groups helping as much as possible. The tasks of vendor contact, advertising, floor layout and others could be divided up to spread the work load as much as possible. Large groups and small groups could then participate on an equal footing. This is about the only way that I feel that the '85 show could be put on and have a chance of being effective and drawing the big name vendors needed for a good national or regional show. That is unless some group has about 5/10 thou. and a lot of time and experience they're willing to part with. Either way it's going to take a lot of people from all over, attending it, in order for it to succeed.

Again, HATS OFF to all the people who worked on TARICON '84. You did yourselves proud, even without what's its name being there.

**OPTIMIZED SYSTEMS SOFTWARE introduces THE WRITER'S TOOL**

San Jose, CA. - THE WRITER'S TOOL, an extremely "natural" word processor, is one of the new products being released this fall by Optimized Systems Software, Inc. Special features of THE WRITER'S TOOL include a built-in mail-merge, both insert and typeover modes with distinct cursors, and compatibility with any DOS in any density. An array of single-key commands support virtually all enhanced printer features, such as underlining, subscripts, and superscripts, all with multiple fonts.

THE WRITER'S TOOL gives the Atari Computer owner control of several unique print formatting features, such as split justification (as well as left, right, and center justify), headers, footers, and the capability to allow the user to set their own default formats. THE WRITER'S TOOL comes with very complete documentation--including a step by step tutorial, reference manual, handy reference card, cartridge and disk--and is priced at \$129.95.

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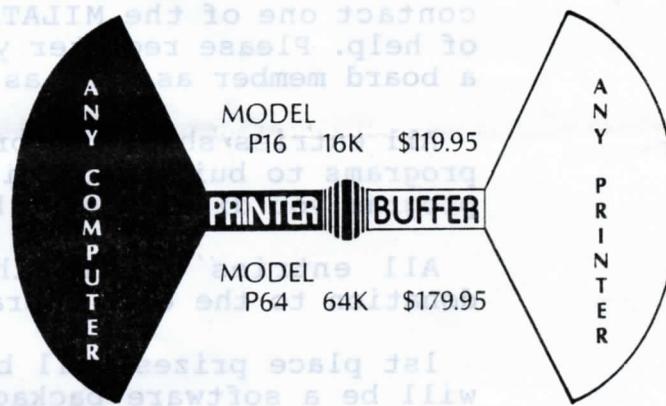


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HOLIDAY CONTEST

MILATARI is sponsoring a holiday ATARI programming contest!

Entries can be displays, musical, interactive, or game. Remember to select a holiday theme fitting to the season.

The contest is open to members only. Judging will be three in age groups - under 12, 12 thru 16, and 17 and older.

The judging will be done by the membership present at the December Armbruster meeting. This will be the only MILATARI meeting during December.

The judging will be based on originality, creativity, playability, visual and sound effects, holiday theme and presentation. One vote per membership per age group.

The contestants must bring their own equipment to demonstrate their programs. You can arrange to share the equipment with other contestants. If it is impossible to provide your own equipment, contact one of the MILATARI board members to see if they can be of help. Please register your entry with the Contest Committee or a board member as soon as possible.

All entries should be original programs. You can use commercial programs to build your displays or music in your program, but the program you display must be created by you.

All entries remain the property of the authors, although donation to the club library is encouraged.

1st place prizes will be awarded to each age group. The prizes will be a software package and the famous club T-shirt. Winners names will appear in the January newsletter.

Good luck to ALL. Ladies and Gentlemen ... START YOUR ATARI'S!

Entry form: Name \_\_\_\_\_

Phone: \_\_\_\_\_

Description of entry: \_\_\_\_\_

Mail to: CARL MIELCAREK

6933 W. GLENBROOK ROAD

MILWAUKEE, WI 53223

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September 1984

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## MILATARI INFORMATION PAGE

### MILATARI OFFICERS

President.....Gary Nolan....353-9716  
Vice President...Chris Stieber.529-2663  
Secretary.....Linda Scott...466-2314  
Treasurer.....Steve Tupper..462-8178

### MILATARI VOLUNTEERS

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### NEWSLETTER INFORMATION

This newsletter is written and printed by members of the Milwaukee Area ATARI User's Group (MILATARI), an association of individuals with a common interest in using and programming ATARI computers. MILATARI is not affiliated with the ATARI company or any other commercial organizations.

Your contributions of articles are always welcome. You may submit your article on ATARI compatible compatible cassette or diskette, on typewritten form or you can arrange with the editor to upload your file via modem at either 300 or 1200 baud. You can send GRAPHICS EIGHT or SEVEN PLUS screens stored on disk in a straight 62 sector binary file of the actual screen bytes. A MICROPAINTER file or binary file saved through +PICTURE PLUS+ will work fine.

Mail your articles and inquires to the editor at the return address on this newsletter.

### MILATARI Milwaukee Area Atari Users Club

MILATARI is an independent, user education group which is not affiliated with ATARI, INC. The newsletter is the official publication of MILATARI and is intended for the education of its members as well as for the dissemination of information concerning ATARI computer products.

MILATARI membership is open to individuals and families who are interested in using and programming ATARI computers. The membership includes a subscription to this newsletter and access to the club libraries. The annual membership fee is \$15 for individual or \$20 for a family.

Other computer user groups may obtain copies of this newsletter on an exchange basis.

All Material in this newsletter not bearing a 'COPYWRITE' message may be reprinted in any form, provided that MILATARI and the author are given credit.

### MILATARI ADVERTISING RATES

This newsletter will accept camera ready advertising copy from anyone supplying goods and services of interest to our membership.

Current paid members of MILATARI may place classified ads in the newsletter at no charge.

#### Advertising Rates

Full page.....	\$37.50
Half page.....	\$20.00
Quarter page.....	\$12.50
Business card.....	\$2.00

Long term contracts are available.

Copy is due by the 3rd Friday of each month.

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